

UNITED STATES DISTRICT COURT  
EASTERN DISTRICT OF PENNSYLVANIA

RBS  
UNITED STATES OF AMERICA )

No. 05-CR-440-1

**FILED**

v. )

FEB 14 2008

ALTON COLES, et al, )

MICHAEL E. KUNZ  
By *MAC*

Defendants. )

Philadelphia, PA

February 4, 2008

9:31 a.m.

TRANSCRIPT OF TESTIMONY OF MICHAEL R. CURTIS  
BEFORE HONORABLE R. BARCLAY SURRICK  
UNITED STATES DISTRICT COURT JUDGE

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I N D E X

<u>WITNESSES:</u>	<u>DIRECT</u>	<u>CROSS</u>	<u>REDIRECT</u>	<u>RECROSS</u>
Michael R. Curtis	4 (Llo)	14 (McM)	20 (Llo)	20 (Mcm)
			22 (Llo)	

<u>EXHIBITS:</u>	<u>IDENT.</u>	<u>EVID.</u>
For the Government		
G-503QQ Firearm	5	
G-503QQ-2 Set of four pictures of firearm	9	10

1 (Following is the requested testimony of Michael R.  
2 Curtis, 4:12 p.m.)

3 MR. LLORET: Your Honor, the Government calls  
4 Michael Curtis.

5 COURTROOM DEPUTY: Please raise your right hand.

6 MICHAEL R. CURTIS, GOVERNMENT'S WITNESS, SWORN

7 COURTROOM DEPUTY: Please state your full name and  
8 spell your last name for the record.

9 THE WITNESS: Michael R. Curtis, that's C-U-R-T-I-S.

10 MR. LLORET: Thank you, Your Honor.

11 DIRECT EXAMINATION

12 BY MR. LLORET:

13 Q Mr. Curtis, what is your job? Where do you work?

14 A Your Honor, I'm a Firearms Enforcement Officer with the  
15 Bureau of Alcohol Tobacco Firearms and Explosives, commonly  
16 referred to as ATF.

17 Q And where do you work?

18 A I work in Martisburg, West Virginia.

19 Q What do you do?

20 A My primary -- my job is I provide technical assistance to  
21 ATF agents, along with other Federal agents and law  
22 enforcement on firearms identification, markings, design, to  
23 help them in the implementation of the Gun Control Act and the  
24 National Firearms Act.

25 Q Okay.



1 A My primary duty is to evaluate evidence, evidence that is  
2 seized in the field and is submitted to Firearms Technology.  
3 It is my job to evaluate it, test it, and make a  
4 classification, either under the Gun Control Act or the  
5 National Firearms Act.

6 Q Now, did you have occasion to make an examination of a  
7 firearm some time ago at the request of Agent Michael Ricko?

8 A Yes, sir, I believe so.

9 Q Okay. Let me show you a firearm that's been marked  
10 Government's Exhibit 503 double Q. Can you tell us if you had  
11 occasion to examine that firearm?

12 A Yes, sir. It has my signature.

13 Q All right. And let me just ask, how long have you been  
14 examining firearms and rendering opinions about firearms?

15 A I worked for ATF for approximately seven years but I've  
16 worked in firearms for over 30 years.

17 Q What was the purpose of your examination of this  
18 particular firearm that's before you?

19 A To make a determination whether it had been modified to  
20 fire automatically as a machine gun.

21 Q All right. What definition of a machine gun are you  
22 working with when you make that examination?

23 A The definition under the National Firearms Act, which is  
24 26 USC 5845(b).

25 Q Can you tell us what that definition is?

1 A Yes, sir. Do you want me to read it --

2 Q Yes.

3 A -- do you want me to say it?

4 Q Why don't you tell us what it is? You can read it.

5 A Okay. The definition under the National Firearms Act 26  
6 USC Section 5845(b) defines machine gun as, "Any weapon which  
7 shoots, is designed to shoot, or can be readily restored to  
8 shoot, automatically more than one shot without manual  
9 reloading by a single function of the trigger."

10 "The terms shall also include the frame or receiver  
11 of any such weapon, any part or any combination of parts  
12 designed and intended for use in converting a weapon into a  
13 machine gun and any combination of parts from which a machine  
14 gun can be assembled, if such parts are in the possession or  
15 under the control of that person."

16 Q Now, with respect to the gun that's been identified as  
17 503QQ, what was it that you did to examine that firearm?

18 A Well, when I initially received it, I did a function test  
19 to determine if it cycled as designed as a semi-automatic  
20 firearm. I can't perform it here with this -- this tie in it,  
21 but basically when I initially looked at it, I picked it up,  
22 cycled it, pulled the trigger, then I held the trigger back as  
23 I cycled it and as I released it, the hammer fell and it  
24 shouldn't have done that.

25 So it indicated to me that something on the inside

1 of this particular firearm has been modified.

2 Q What does it mean that the hammer fell? What is the --

3 A What I mean by that is that the hammer traveled forward  
4 and struck the firing pin or the back of the bolt.

5 Q If you could just explain to the jury, what does the --  
6 what's the function of a hammer in a firearm? What does it  
7 do?

8 A The hammer provides the force to the firing pin to  
9 detonate the primer of the actual cartridge.

10 Q Okay. And that's an internal part in the weapon?

11 A Yes, sir.

12 Q All right. So the hammer fell forward and what did you do  
13 then after you had made that initial determination?

14 A Well, after I performed a function test, I took it inside  
15 the test facility there at Firearms Technology branch and  
16 performed an actual live test firing.

17 Q And how did you go about doing that? Tell us what  
18 happened.

19 A When I initially went in, I loaded a magazine with three  
20 rounds and I inserted the magazine, cycled the bolt back to  
21 load it. When I squeezed the trigger, the firearm fired one  
22 time. As I went to release it, I noticed that it didn't  
23 reset. There's a sound when -- because this hammer has two  
24 hooks and it has a sear plate and you can hear it when it  
25 resets from one engagement to the other, and I noticed it

1 didn't do that.

2 So, I cleared the gun, like I said, as I previously  
3 tested it, I could tell that when you cycle and release the  
4 trigger, the hammer would follow. So I loaded three rounds,  
5 inserted it, pulled the trigger to the rear, cycled it, and  
6 then released the trigger. When I released the trigger, this  
7 particular firearm fired the three rounds that I had loaded  
8 into the magazine automatically.

9 Q Now that's -- so you just had your finger on the trigger  
10 once and it fired three rounds?

11 A Yes, sir. I had had the trigger to the rear and cycled it  
12 and loaded it and when I released the trigger, it fired three  
13 rounds automatically.

14 Q Now, can you explain to the jury, did you examine the  
15 firearm to determine how that happened?

16 A After I came back in, sir, after my test firing, I  
17 performed six different test fires on it, you know, and the  
18 second one, it actually when I inserted, loaded and squeezed  
19 the trigger to the rear, it fired three rounds automatically  
20 that time. And then the next time, it fired one round and  
21 then it stopped after that.

22 In the remaining two tests, it fired from releasing  
23 the trigger from the rear automatically all three rounds each  
24 time. After that, then I took -- went in and took the gun  
25 apart to examine the internal components to see exactly what



1 had been -- had been modified.

2 Q Now, did you take some pictures to assist in your  
3 explanation of your examination of the firearm?

4 A Yes, sir, I do.

5 MR. LLORET: And may I approach, Your Honor?

6 THE COURT: Yes.

7 BY MR. LLORET:

8 Q Mr. Curtis, is that picture that's marked 503QQ-2 a  
9 picture that you took?

10 A Yes, sir, it is.

11 Q It's actually a set of four pictures, is that right?

12 A Yes, sir.

13 Q What do those pictures concern?

14 A It just basically shows the firearm, the marking on the  
15 rear, the bottom left-hand corner here -- like I said, this is  
16 the firearm, these are the markings, that's the serial number  
17 and what this one here depicts is I -- we have a firearms  
18 reference collection with approximately 8,000 firearms which  
19 we have weapons just like this in our collection.

20 I pulled one out and I compared it to the -- to this  
21 weapon here. If you notice on the top, it says, "This  
22 hammer," which is the FTB weapon, "is 360-thousandths" -- is  
23 the distance in this gap from this hook to this hook. This  
24 particular firearm, which is Government's Exhibit 503 -- is  
25 that QQ?

1 A Yes.

2 Q The gap from that hook to that hook on this particular  
3 firearm is 400-thousandths. So that means that hook has been  
4 -- this hook here has been reduced in length.

5 MR. LLORET: Your Honor, I move the admission of  
6 503QQ-2, which is the set of photographs.

7 MR. McMAHON: No objection.

8 MR. LLORET: And, Your Honor, I've made some copies  
9 or had some copies made. I'd like to pass them out to the  
10 jurors. They can probably see a little easier.

11 THE COURT: All right.

12 MR. LLORET: Thank you.

13 (Pause.)

14 BY MR. LLORET:

15 Q And, Mr. Curtis, do you have an extra copy up there for  
16 you?

17 A Yes, sir. Well, if you need that one, that's fine, sir.

18 Q Thank you.

19 THE COURT: Have you given Counsel a copy?

20 MR. LLORET: Yes, Your Honor. I provided a copy to  
21 Mr. McMahon but let me -- let me give this original to him.

22 MR. McMAHON: I've seen it, Judge. I've seen it.

23 Thank you.

24 BY MR. LLORET:

25 Q Now, Mr. Curtis, looking at this picture, I notice in the

1 bottom right-hand picture, there's an exhibit number. It's  
2 036. What was that exhibit number?

3 A That is the exhibit number that was on the evidence  
4 transmittal form, this right here. That's an ATF exhibit  
5 number --

6 Q All right.

7 A -- which is located in the top right-hand corner.

8 Q And that corresponds -- obviously, that's your exhibit  
9 number. The Court exhibit number is the 503QQ that the --

10 A Yes, sir. That's correct.

11 Q Okay. Would it be possible for you to show us on that  
12 weapon itself what's depicted in this photograph?

13 A Yes, sir. It will take me a second here.

14 MR. LLORET: With the Court's permission.

15 THE WITNESS: Is that all right, sir?

16 THE COURT: Yes, indeed.

17 THE WITNESS: Yes, sir. It's kind of hard -- can I  
18 stand up, sir?

19 THE COURT: Why don't you step down and show it,  
20 yes.

21 THE WITNESS: As you can see from your picture here,  
22 what I'm referring to is this part here, that's a hook and  
23 that's a hook. This weapon's primarily designed that when  
24 you -- this is in the cocked position, which is captured by  
25 this bar right here on this side and on this side. So what

1 happens is when you work the bolt it initially cocks it here  
2 on this front lower hook. When you squeeze the trigger, the  
3 hammer goes forward, strikes the firing pin --

4 MR. McMAHON: Can we see? This is -- we're not  
5 seeing any of this.

6 THE COURT: You may certainly move over there and  
7 take a look, Mr. McMahon.

8 MR. McMAHON: Thank you.

9 MR. LLORET: Your Honor, I'll take the position down  
10 here, if that's okay. Mr. McMahon can get the better --

11 THE WITNESS: So as I said, it captures on the lower  
12 hook. The front of this is a transfer bar here. Well, when  
13 you squeeze it -- when you squeeze it right there, then the  
14 hammer will go forward and it will strike the firing pin which  
15 drives the firing pin tip into the primer and detonates the  
16 round.

17 Well, during the cycle of operation, the bolt is  
18 going to push this bolt. Now, I've got the trigger to the  
19 rear, just like I fired it. The bolt is going to push this  
20 hammer back and it's going to capture on this upper hook. But  
21 the problem is, when that's open -- now watch -- see how it  
22 just went? And what happens is see there's so little  
23 engagement that the force of the bolt and when it feeds a  
24 round into the chamber, the force of the bolt jerks it off,  
25 just from the motion -- the momentum of it and that's what



1 allows it to keep firing automatically.

2 It just temporarily catches and that force allows it  
3 to follow the bolt home or just right behind it and causes it  
4 to continue to discharge until either you run it out of  
5 ammunition or you release the trigger, one of the two.

6 Q Now, Mr. Curtis, this function, this -- the fact that the  
7 bolt will now actually jerk the firing pin down and trigger  
8 the weapon automatically, is that a result of, in your  
9 opinion, the widening of the gap that we see in the picture?

10 A Yes, sir, because if the -- if that hadn't been done, then  
11 it would have caught on the upper hook and as you release the  
12 trigger, then the upper hook will transfer the engagement. In  
13 other words, as that sear plate goes forward, then the  
14 engagement is transferred to that lower hook.

15 Well if that gap is the proper length, it will  
16 engage the front -- the lower surface before the back  
17 completely releases. So, by that being shortened, then it  
18 allows it to go forward before it can actually engage the  
19 front hook or the lower hook.

20 Q If the gap is only a .360, does the weapon fire as semi-  
21 automatic or as an automatic?

22 A If the gap is 360, it will fire as a semi-automatic.  
23 That's the way it's designed to.

24 Q Okay. So when that little hook comes back, it will  
25 actually catch and hold.

1 A And hold and it will continue to hold until you release  
2 the trigger and then it will transfer to the front without  
3 allowing the hammer to follow, as I just demonstrated this one  
4 does.

5 Q Now, are you familiar -- is the gap widened to .40, is  
6 that something that the manufacturer does?

7 A No, sir.

8 Q Okay. Have you had experience examining firearms that  
9 have had this gap widened before?

10 A Yes, sir.

11 Q Is that something that's familiar to you?

12 A Yes, sir.

13 Q Okay. You've seen that on more than one occasion?

14 A Yes, sir.

15 Q All right.

16 MR. LLORET: Your Honor, I have nothing further from  
17 the witness.

18 THE COURT: Are there any questions?

19 MR. McMAHON: Yeah, just a couple, Your Honor.

20 CROSS-EXAMINATION

21 BY MR. McMAHON:

22 Q First of all, did you thoroughly examine this firearm?  
23 Did you -- did you examine it to see if it had been recently  
24 fired at all prior to your obtaining it?

25 A No, sir, because when it was initially sent to me, it was

1 discovered at the lab -- they were test firing it there, when  
2 it actually doubled on them or fired automatically on them.  
3 That's when it was forwarded to me for evaluation as an NFA  
4 weapon.

5 Q Okay. So you -- it would be silly for you to look at it  
6 since --

7 A It had been fired prior to it arriving to me, sir.

8 Q By the Government --

9 A Yes.

10 Q -- by Government agents.

11 A Well, whoever. You know, I know it happened during when  
12 it was in our control.

13 Q Right.

14 A I can't testify that it had been fired or not prior to  
15 that.

16 Q Before it got to you though, it was in -- in other ATF  
17 hands, is that correct?

18 A Yes, sir.

19 Q Okay. Now, and being an expert as you are, are there ways  
20 for those people -- I mean, just to enlighten me to the fact,  
21 for those people, can they tell whether it had been recently  
22 fired or not, that type of weapon?

23 A If they do a test. It was at the Ammendale Lab. They can  
24 tell if it had been fired prior to --

25 Q Right. They can tell that and they could do -- there's

1 tests that can be done to do that, is that correct?

2 A Yes, sir.

3 Q Okay. Now, if I'm correct then, when it -- the right  
4 space is 360, correct, the legitimate --

5 A Yes, sir, approximately 360.

6 Q Then it fires fully automatic when you pull the --

7 A When it's at 360, it only files semi-automatic.

8 Q It only fires semi-automatic.

9 A Yes, sir.

10 Q Oh, okay. So then it would be -- would it be a machine  
11 gun at that time, when it's 360?

12 A No, sir.

13 Q So it's designed to be 360, correct?

14 A That hammer, the way the manufacturer designed it, is  
15 approximately -- that gap is approximately 360-thousandths and  
16 it is designed to fire semi-automatic at that gap.

17 Q Okay. So that gun -- this gun that you had there --

18 MR. McMAHON: -- if I may approach, Your Honor?

19 THE COURT: Yes.

20 BY MR. McMAHON:

21 Q This gun, when it's made by the manufacturer, okay --

22 A Yes, sir.

23 Q -- and distributed as a regular gun, without any  
24 alterations, it's designed to be a semi-automatic gun.

25 A That's correct.



1 Q So if I was purchasing it at a store, I would be  
2 purchasing a semi-automatic gun, correct?

3 A That is correct.

4 Q It would -- when I was -- if I was purchasing it at a  
5 store, I wouldn't be purchasing it, at least in my mind, as a  
6 "machine gun," would I?

7 A I would assume not, sir.

8 Q Okay. So and you didn't know that, in fact, it was not  
9 what it had been designed for, that is a semi-automatic gun,  
10 until such time as you opened it up and you had the expertise  
11 to know and the measurements to know that this was --

12 A When I performed my function test, I knew it would fire  
13 automatically just from that from prior experience.

14 Q Correct. But as far as that, but your -- it took your  
15 expertise or your skills and your experience to determine  
16 that, in fact, what it was designed for, that is not to be a  
17 machine gun, had somehow been changed to make it possible to  
18 be -- fit under the definition of a machine gun, is that fair  
19 to say?

20 A Yes, sir. My training is what --

21 Q Right.

22 A -- allowed me to determine that.

23 Q And so the average person not knowing the difference  
24 between .360 and .40 and semi-automatic probably wouldn't know  
25 that, is that correct?

1 A The average person -- probably not, sir.

2 Q Okay. And these types of guns, can they be bought in a  
3 store?

4 A These here, sir?

5 Q Yes.

6 A Not any longer. This manufacturer is no longer in  
7 business.

8 Q Oh, but when they were manufactured as a semi-automatic,  
9 non-machine gun, they were sold in a store, correct?

10 A Yes, sir --

11 Q Okay.

12 A -- through -- sold through an FFL.

13 Q Okay. Now, this changing of the width of that, how does  
14 that go about? Do you have to go purchase another one of  
15 those little hooks that's wider or do you --

16 A No, sir.

17 Q -- spread it out in some fashion manually?

18 A No, you have to remove metal.

19 Q Oh, so you'd have to have some sort of --

20 A A file.

21 Q -- a file. So you'd have to file it down and 40-  
22 hundredths of a -- 40-thousandths, whatever that number is.

23 A Yes, sir, 40-thousandths.

24 Q You'd have to file that down 40-thousandths and then to  
25 make it somewhat of a machine gun-type situation, correct?

1 A You would have to file it to open up the gap to cause it,  
2 yes, sir, on this particular firearm to fire automatically.

3 Q And you have to open up the gun to see that, to do all  
4 that, right?

5 A Yes, sir. You'd have to do it after you disassemble it.

6 Q And you would have to know, of course, that that filing  
7 would even do that. You would have to have that knowledge,  
8 right?

9 A Well, if you open it up and start cutting on that, you  
10 have some knowledge of what's going to happen.

11 Q Right, right. And that's -- and you have that knowledge,  
12 right?

13 A Yes, sir.

14 Q But as you said, the average person probably doesn't.

15 A The average person that doesn't handle firearms probably  
16 doesn't.

17 Q Right. Okay. Thank you, sir.

18 MR. McMAHON: I have no other questions for this  
19 witness.

20 THE COURT: Any other questions?

21 MR. WARREN: No, thank you, Your Honor.

22 MR. HETZNECKER: None, Your Honor.

23 MR. SMITH: No questions, Your Honor.

24 THE COURT: Mr. Lloret?

25 MR. LLORET: Briefly.

REDIRECT EXAMINATION

BY MR. LLORET:

Q Mr. Curtis, just to be clear, when you pulled the trigger on that weapon and did the function test to see if it -- how it operated, was it obvious to you then that it was a machine gun?

A When I did my function test, I knew then it had been modified, yes, sir, and it was more than likely it was going to fire full-auto.

Q And that just meant you pulled the trigger on it?

A That was by pulling the trigger and cycling the bolt and knowing that it didn't set the way it was supposed to.

Q And it kept shooting bullets.

A Yes, sir.

Q All right.

MR. LLORET: Nothing further, Your Honor.

MR. MCMAHON: May I?

THE COURT: Go ahead.

RE CROSS-EXAMINATION

BY MR. MCMAHON:

Q Sir, what you're saying to me then is that you were able to determine that by -- and in fact, a couple of the times you shot it, it only did -- it shot as a semi-automatic weapon, correct?

A Well, it just shot one round.



1 Q Right.

2 A It didn't shoot as a semi-automatic because it would  
3 engage properly.

4 Q Okay.

5 A It's just the bolt or the hammer followed the bolt home  
6 and it took the inertia away so it didn't discharge.

7 Q So one of the times it shot or functioned not as a machine  
8 gun, one of the times you fired it, correct?

9 A Yes, sir, it did.

10 Q Okay. And Mr. Lloret just asked you, well, when you  
11 pulled the trigger, it fired repeatedly, although it was  
12 designed not to do that, when you pulled the trigger, you  
13 learned -- that was some information that gave you that you  
14 learned that it was a machine gun-type function, correct?

15 A As I -- if I understood his -- when he asked me when I  
16 knew and when I initially knew that it had been modified is  
17 before I test fired it --

18 Q Right.

19 A -- and that's when I performed a function test.

20 Q So if you bought that in a store or got it from somebody,  
21 as you look at it, it's a semi-automatic, non-machine gun, and  
22 unless you fired it, you probably would never know that, in  
23 fact, it was a machine gun, right, under that definition, is  
24 that fair to say?

25 A Say that again? If you bought --

1 Q In other words, you buy that --

2 A -- if you bought that as a --

3 Q -- or given it to you or it's a Christmas present or  
4 whatever --

5 A Right.

6 Q -- and it's designed to be a semi-automatic gun, as we've  
7 already gone over, okay, and you put it in your closet and it  
8 sat there, okay, unless you took it out and either did the  
9 filing yourself or if the filing had already been done, took  
10 it out and fired it yourself, you wouldn't have any idea that  
11 it was a machine gun. It would just be a semi-automatic that  
12 was given to you, right?

13 A That's a fair statement.

14 Q Thank you.

15 THE COURT: Anything further?

16 MR. McMAHON: No more, no more.

17 REDIRECT EXAMINATION

18 BY MR. LLORET:

19 Q Did that gun -- did that gun fit the definition of machine  
20 gun under the Act?

21 A Yes, sir, it did.

22 Q Thank you.

23 MR. LLORET: Nothing further, Your Honor.

24 THE COURT: Okay. So the record is clear, Mr.

25 Curtis has testified as an expert. There was no

1 objection --

2 MR. McMAHON: Right, that's correct. We talked  
3 about that ahead of time.

4 THE COURT: -- and I assume that was one of your  
5 stipulations.

6 MR. McMAHON: And, Judge, I -- we talked about that  
7 ahead of time. We just -- we agree he's an expert in that  
8 field.

9 THE COURT: All right.

10 MR. WARREN: No objection and I agree to his  
11 expertise, Your Honor.

12 THE COURT: All right. Okay, you may step down.

13 THE WITNESS: Thank you, sir. You have a good  
14 evening.

15 THE COURT: You too.

16 (The requested portion of the testimony of Michael  
17 R. Curtis ends at 4:35 p.m.)

18 \* \* \*

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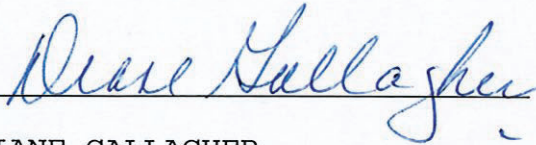
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C E R T I F I C A T I O N

I, Diane Gallagher, court approved transcribers, certify that the foregoing is a correct transcript from the official electronic sound recording of the proceedings in the above-entitled matter.



February 13, 2008

DIANE GALLAGHER

DIANA DOMAN TRANSCRIBING